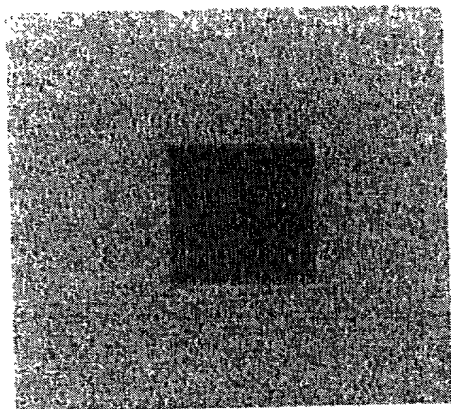


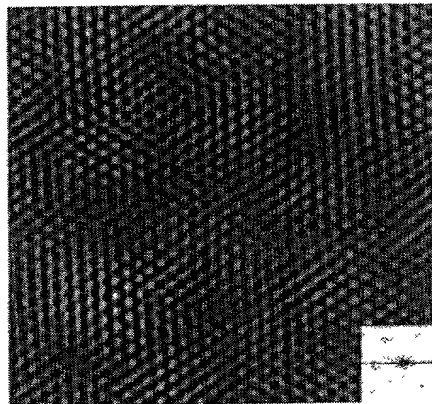
Figure 1

FIG. 2A

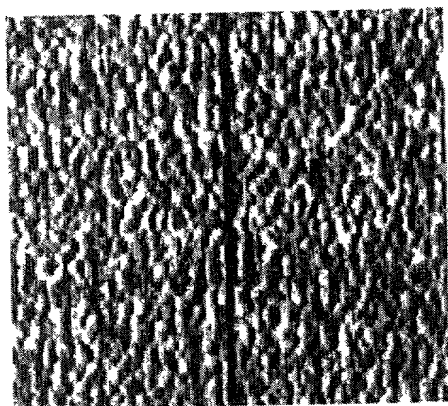


0 μm 3

FIG. 2B

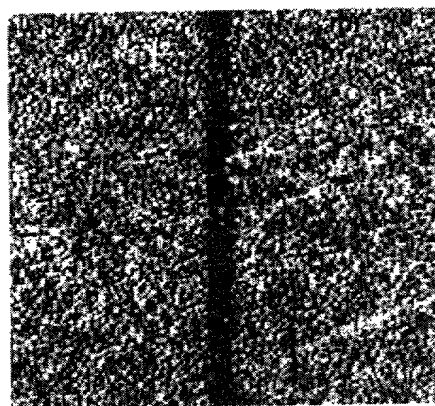


0 \AA 150



0 μm 1

FIG. 2C



0 μm 2

FIG. 2D

FIG. 3A

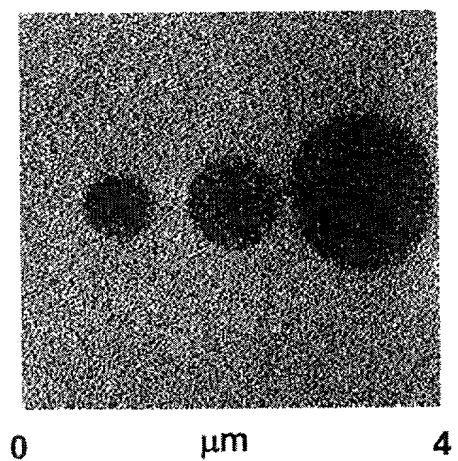


FIG. 3B

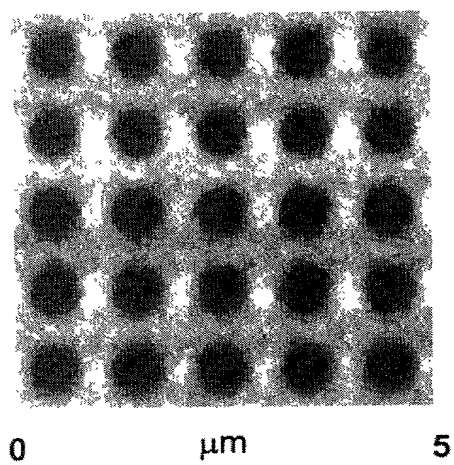
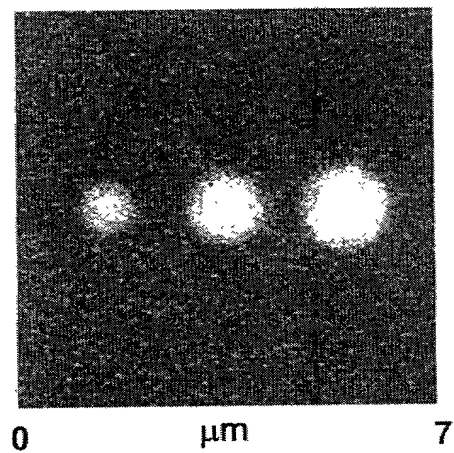


FIG. 3C

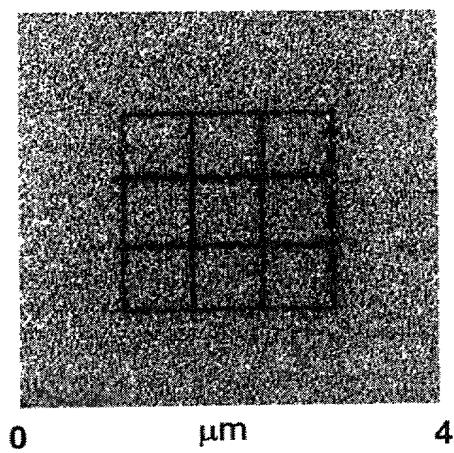
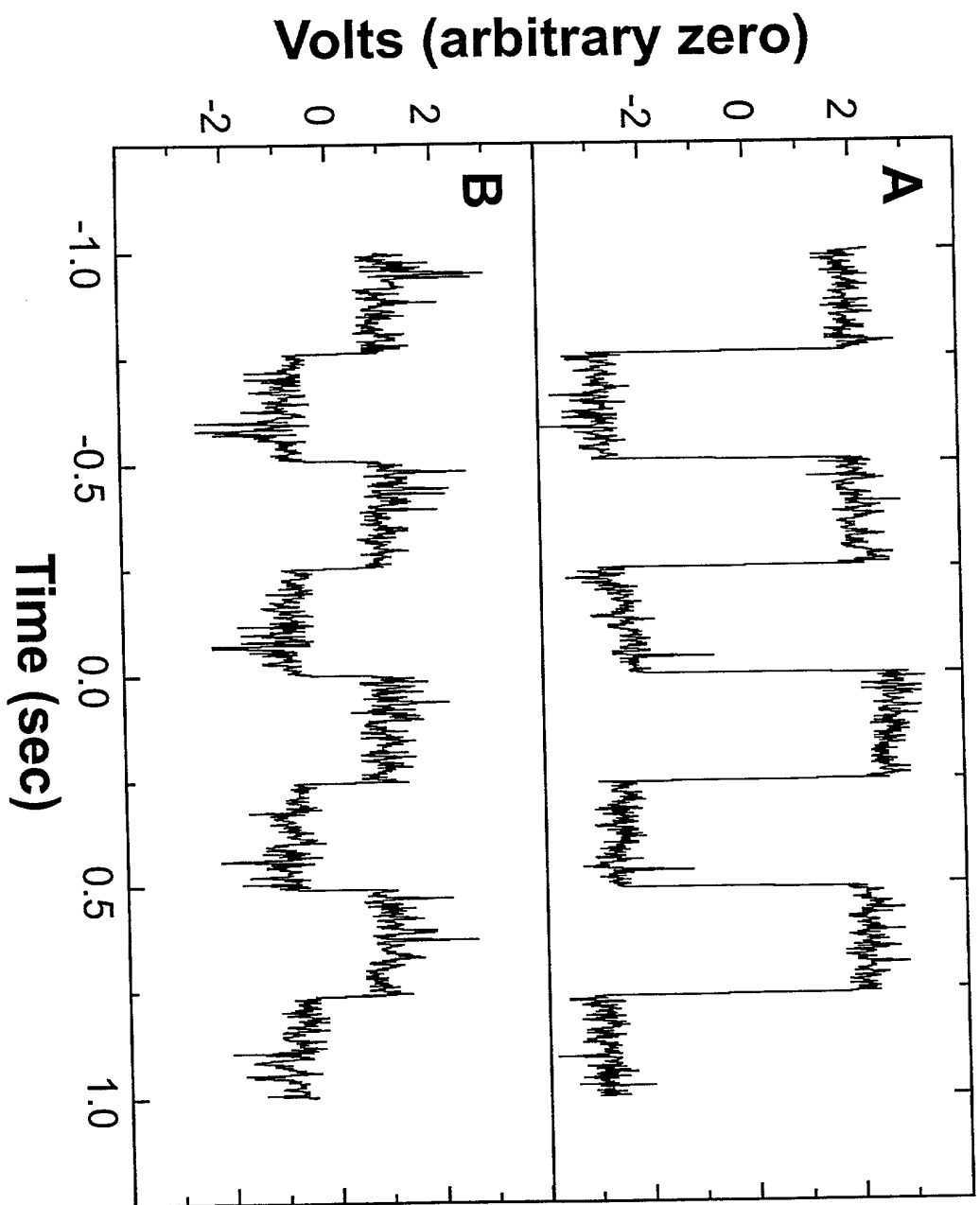


FIG. 3D



0985633.052401

Figure 4

FIG. 5A

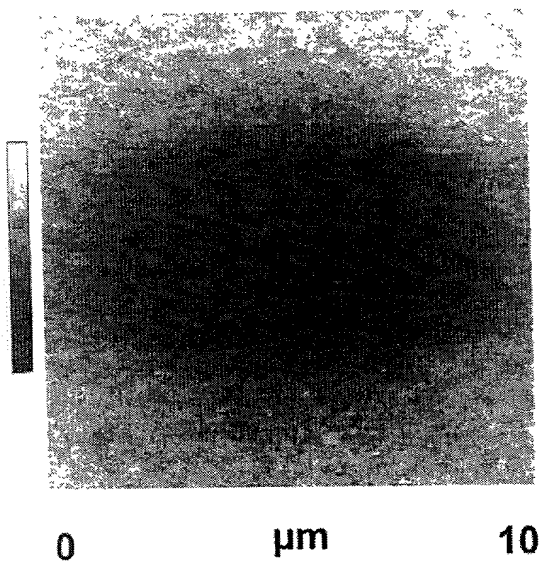


FIG. 5B

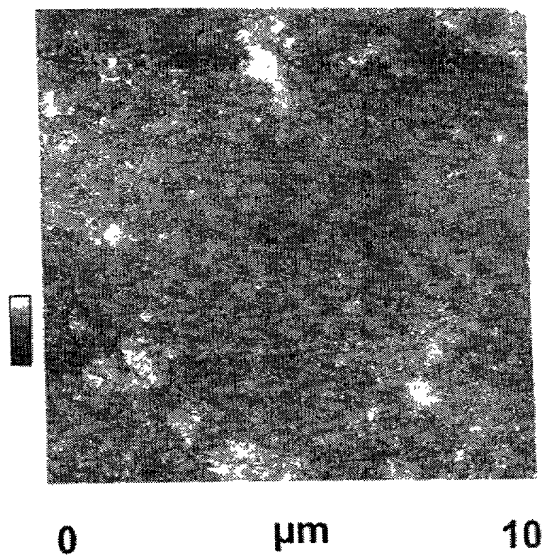


FIG. 6A

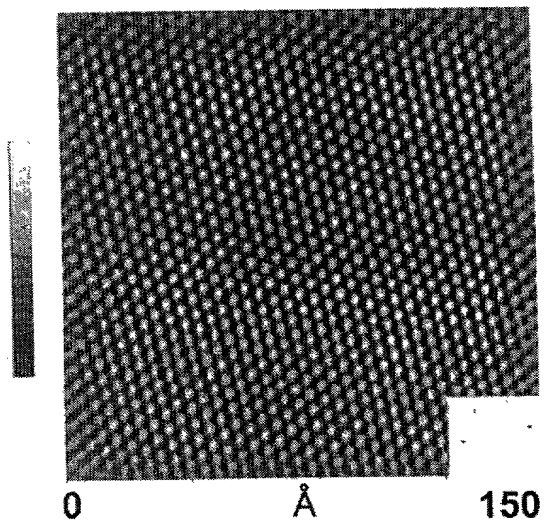


FIG. 6B

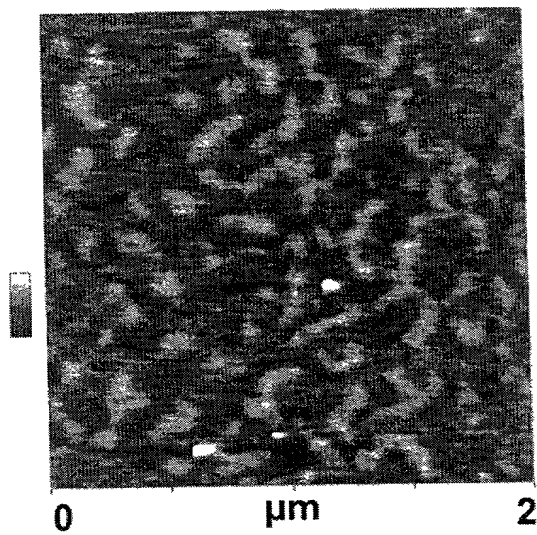
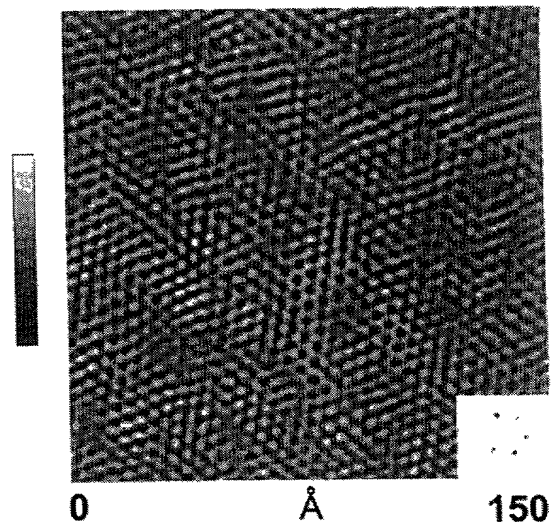


FIG. 6C

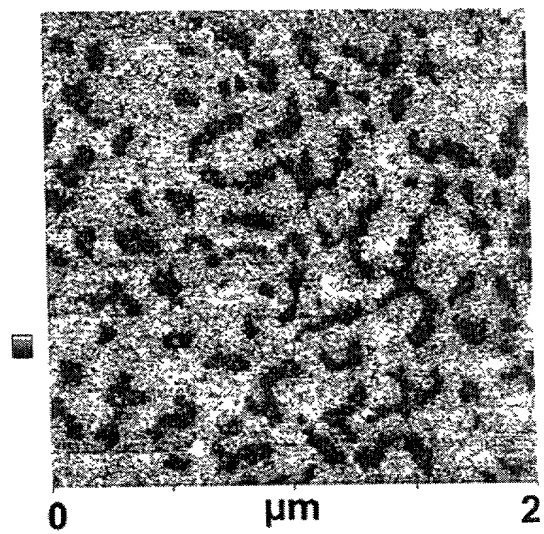


FIG. 6D

FIG. 7A

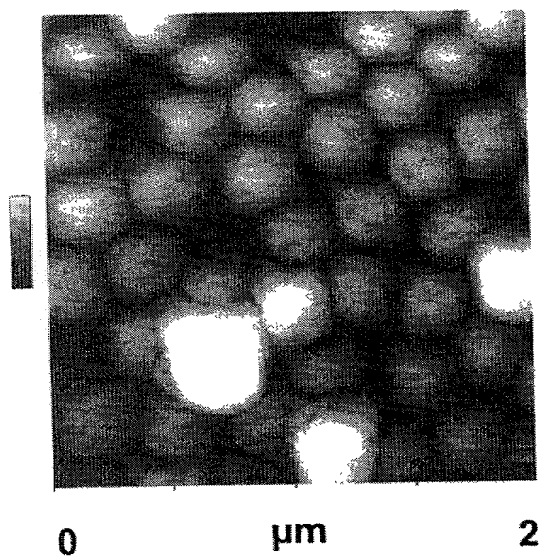


FIG. 7B

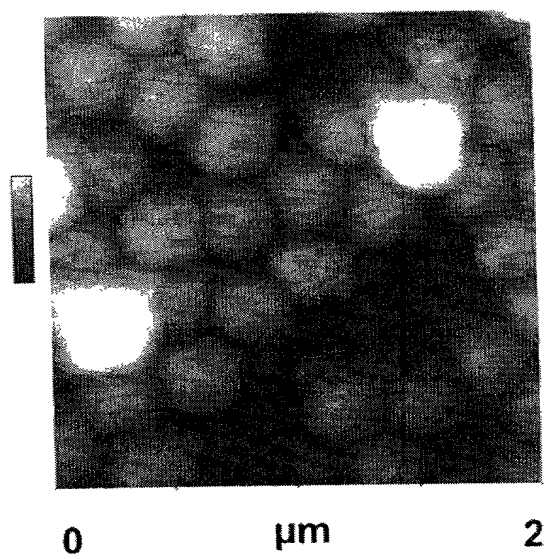


FIG. 8A

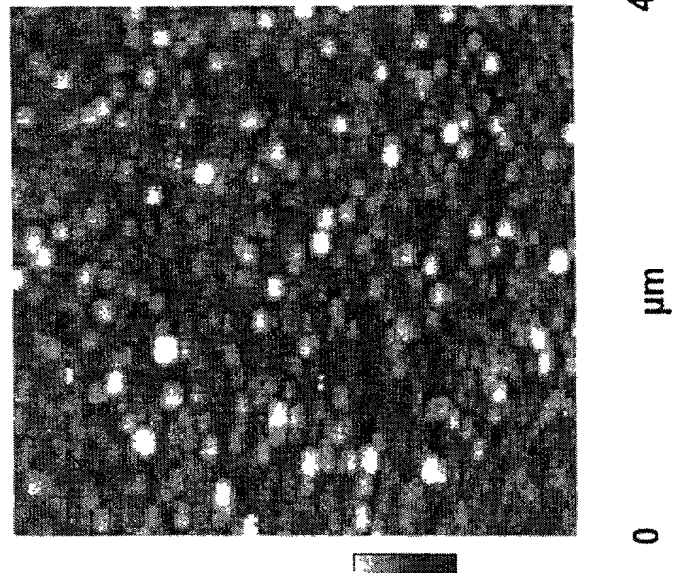


FIG. 8B

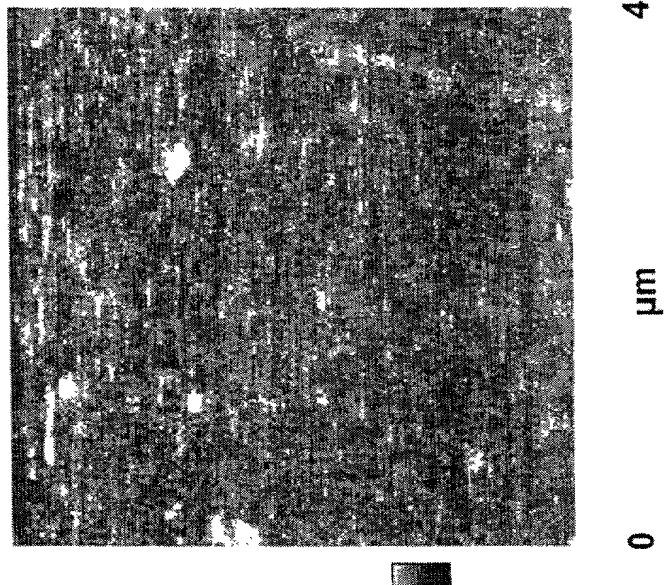


FIG. 9A

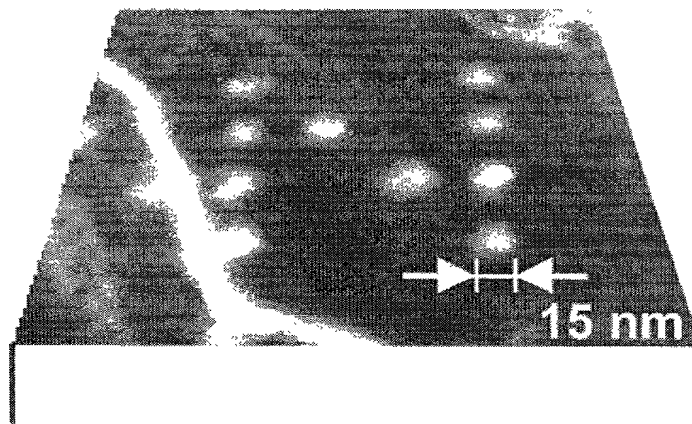


FIG. 9B

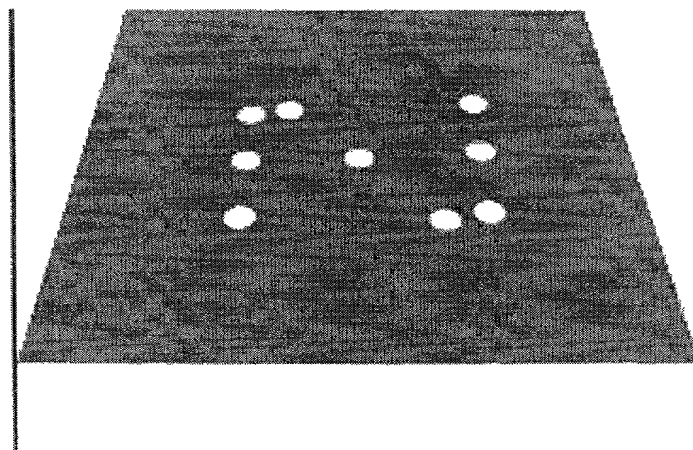


FIG. 9C



0

nm

200

FIG. 10A

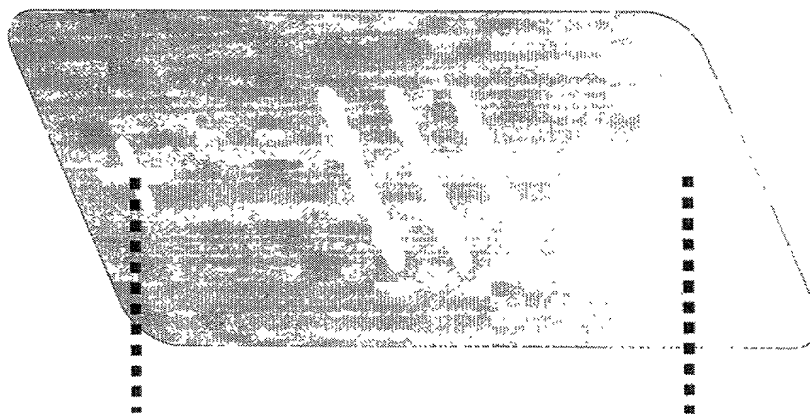


FIG. 10B

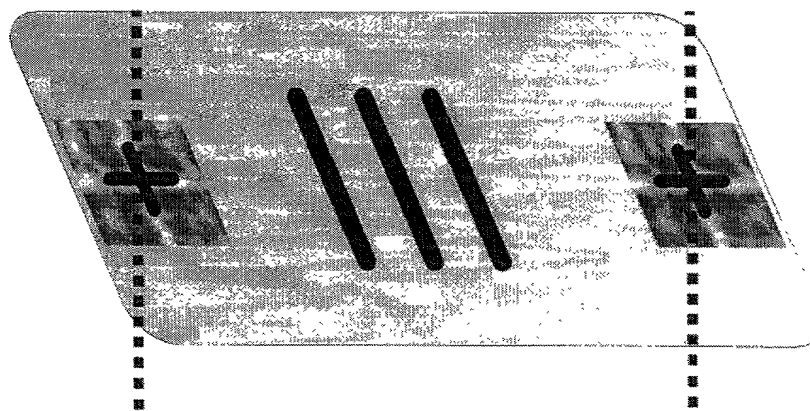


FIG. 10C

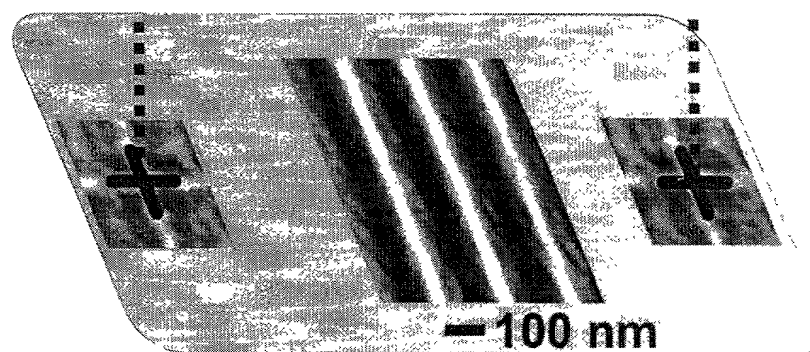


FIG. 11A

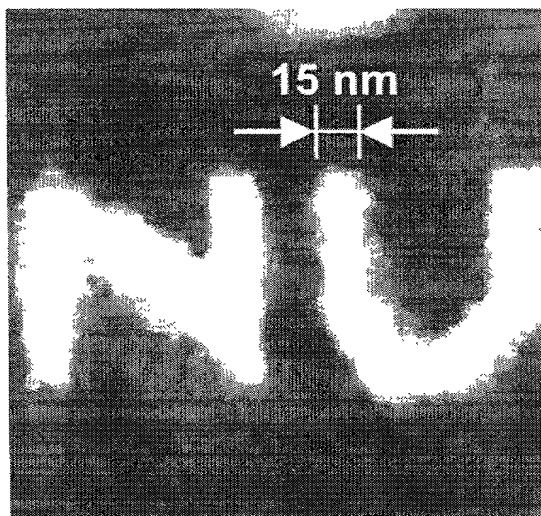
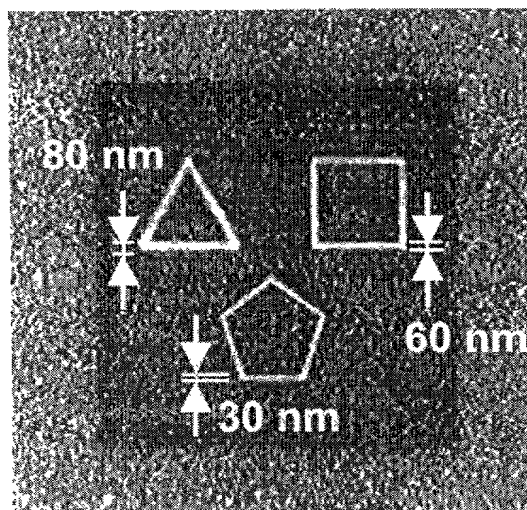


FIG. 11B



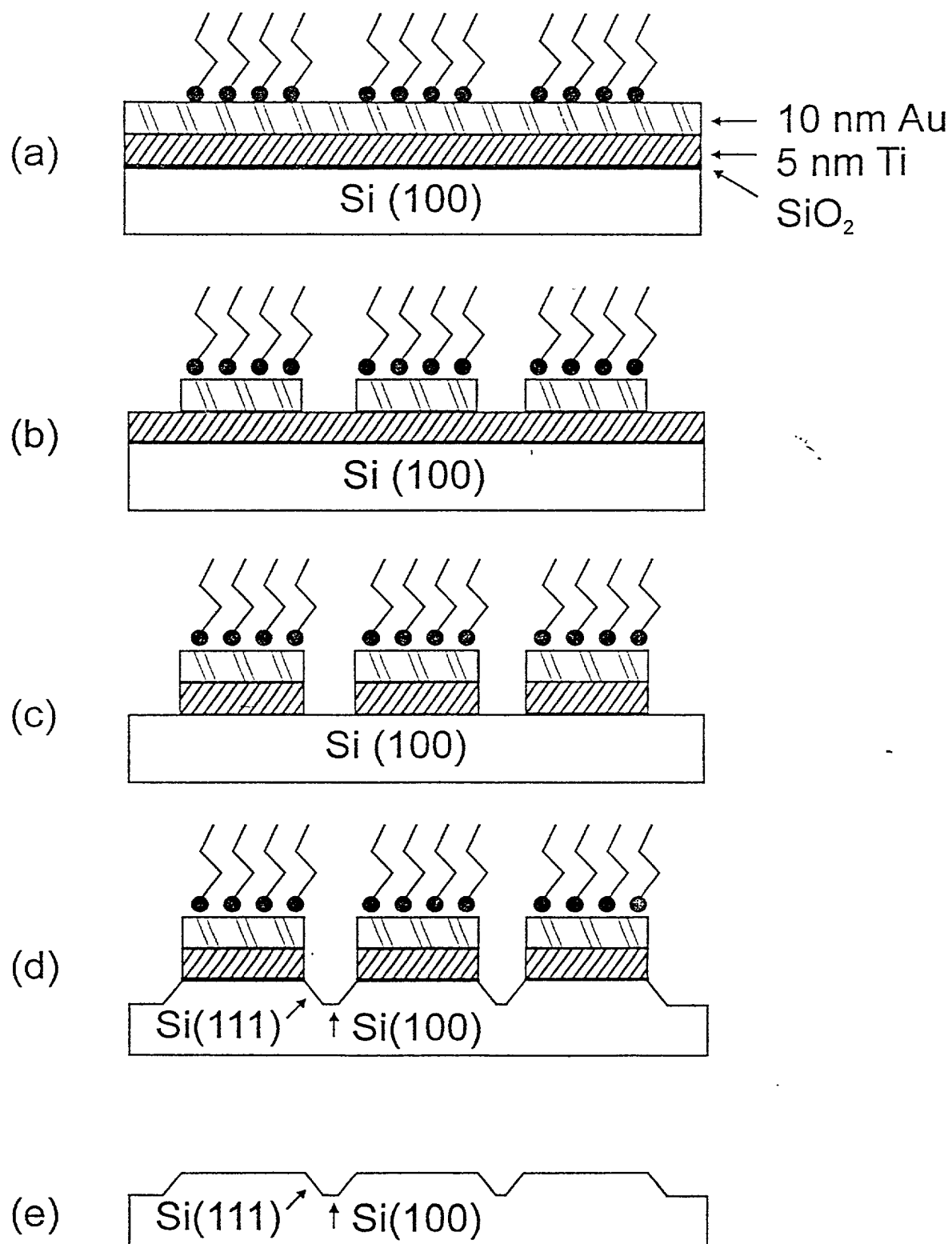
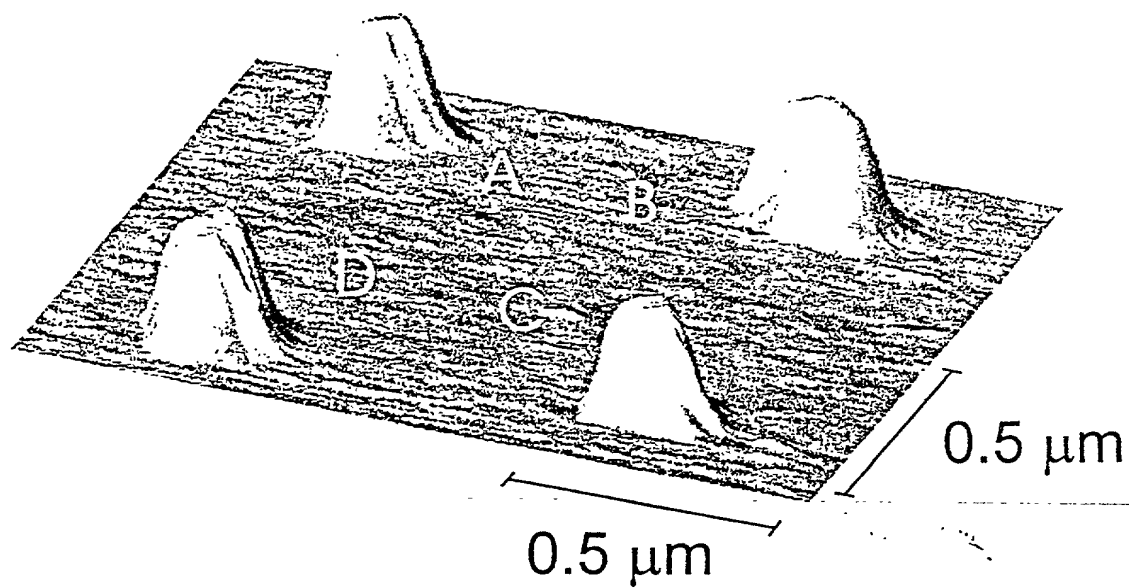
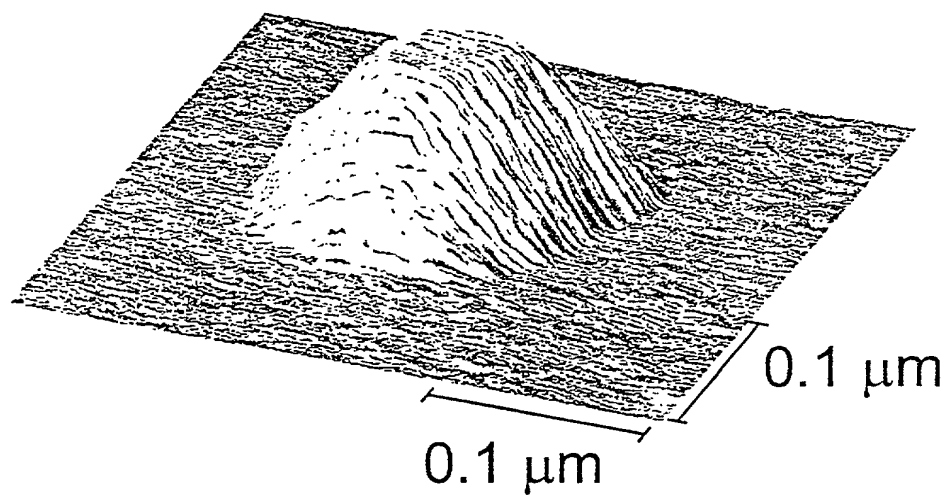


FIG. 12

(a)



(b)



(c)

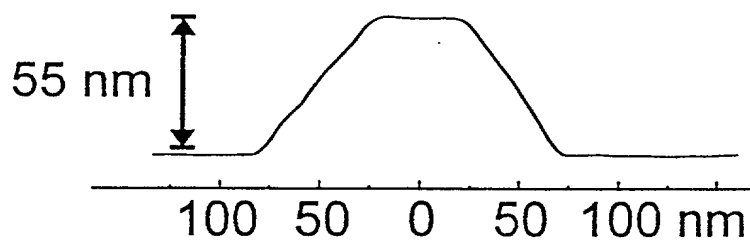
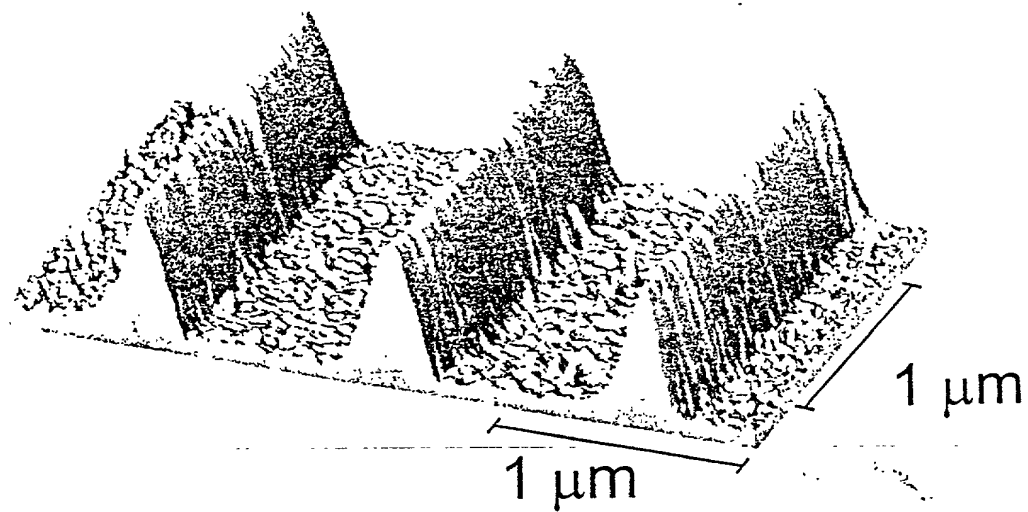
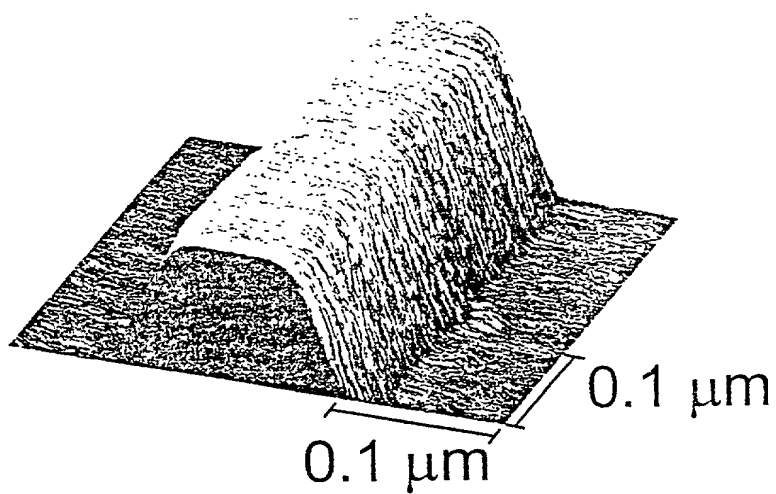


FIG. 13

(a)



(b)



(c)

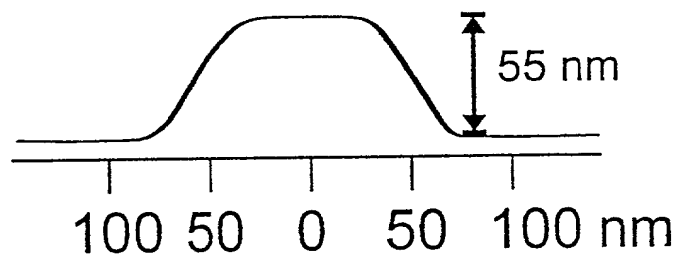
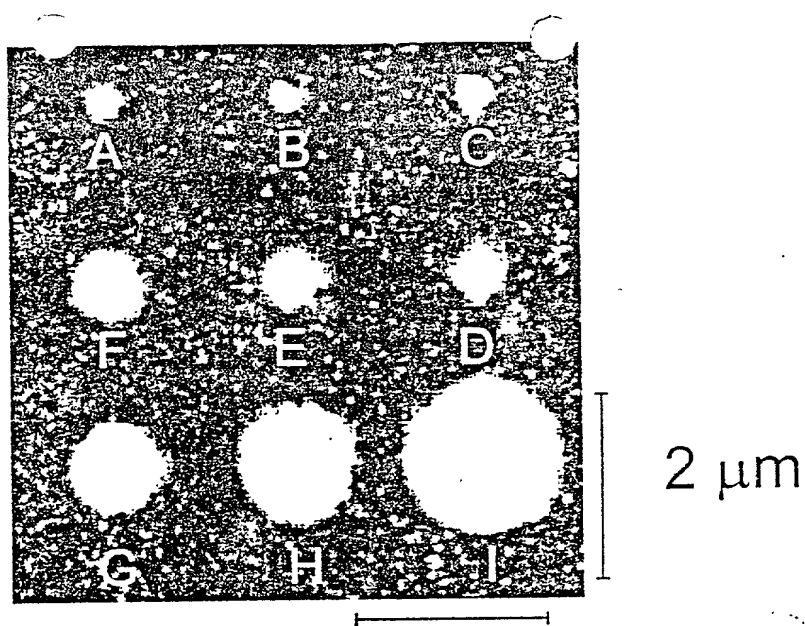
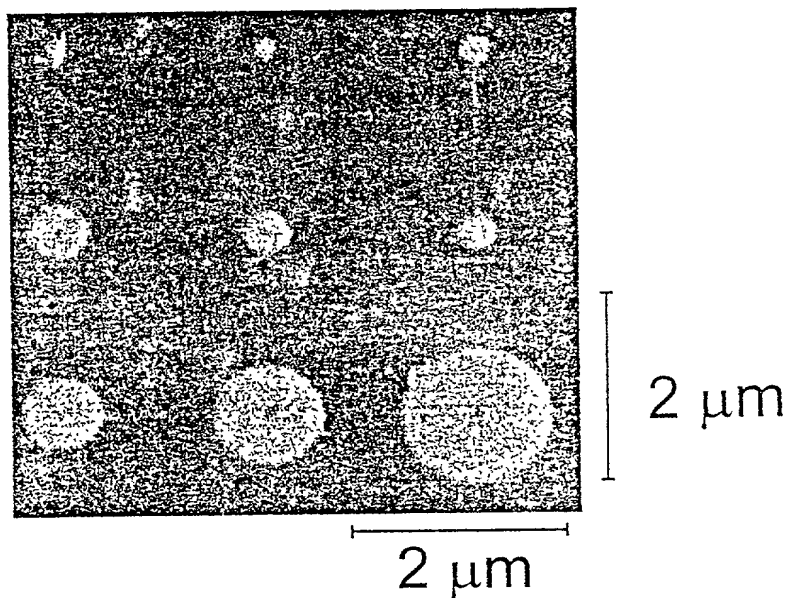


FIG. 14

(a)



(b)



(c)

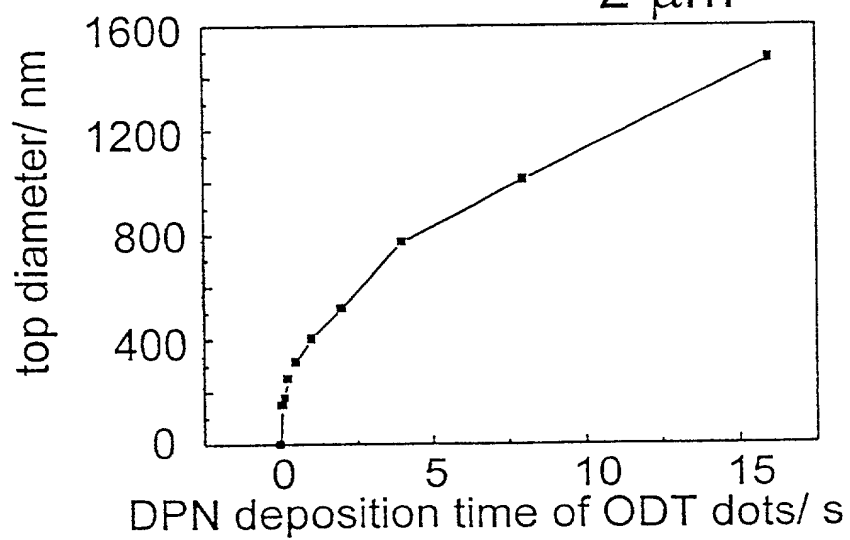


FIG. 15

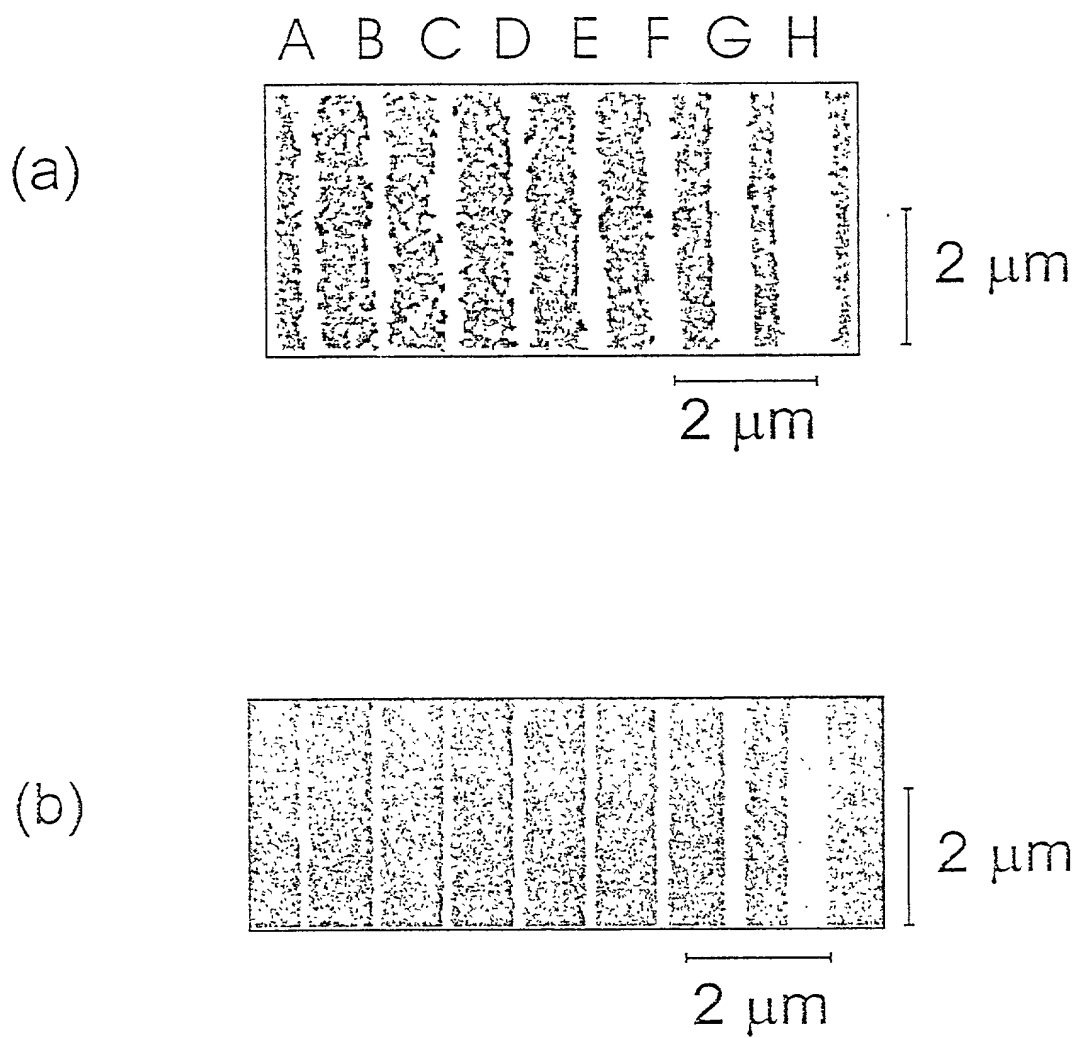


FIG. 16

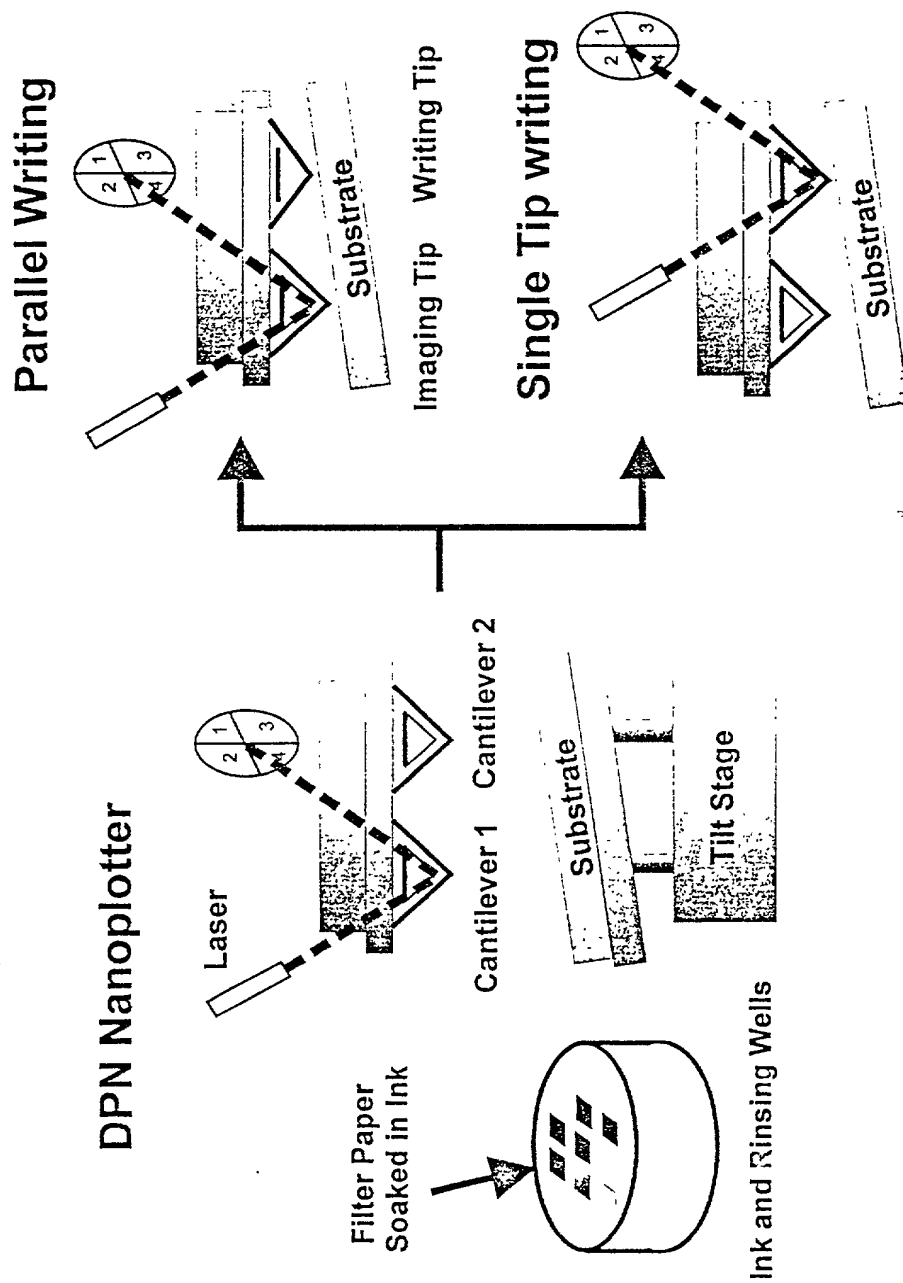
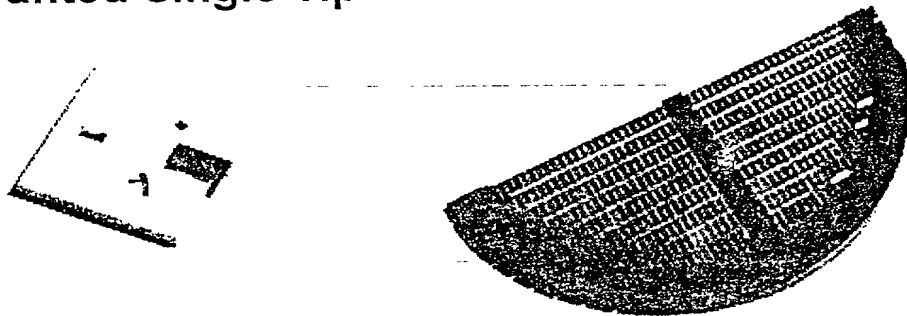


FIG. 17

**A Wafer of
Unmounted AFM Tips**

Mounted Single Tip



**An Imaging Tip with
Laser Force Feedback**

**Writing Tips without
Laser Force Feedback**

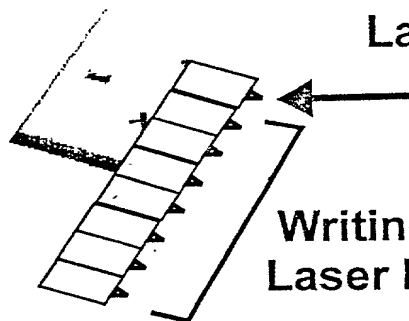


FIG. 18

FIG. 19

FIG. 20

FIG. 21

104250" 66599860

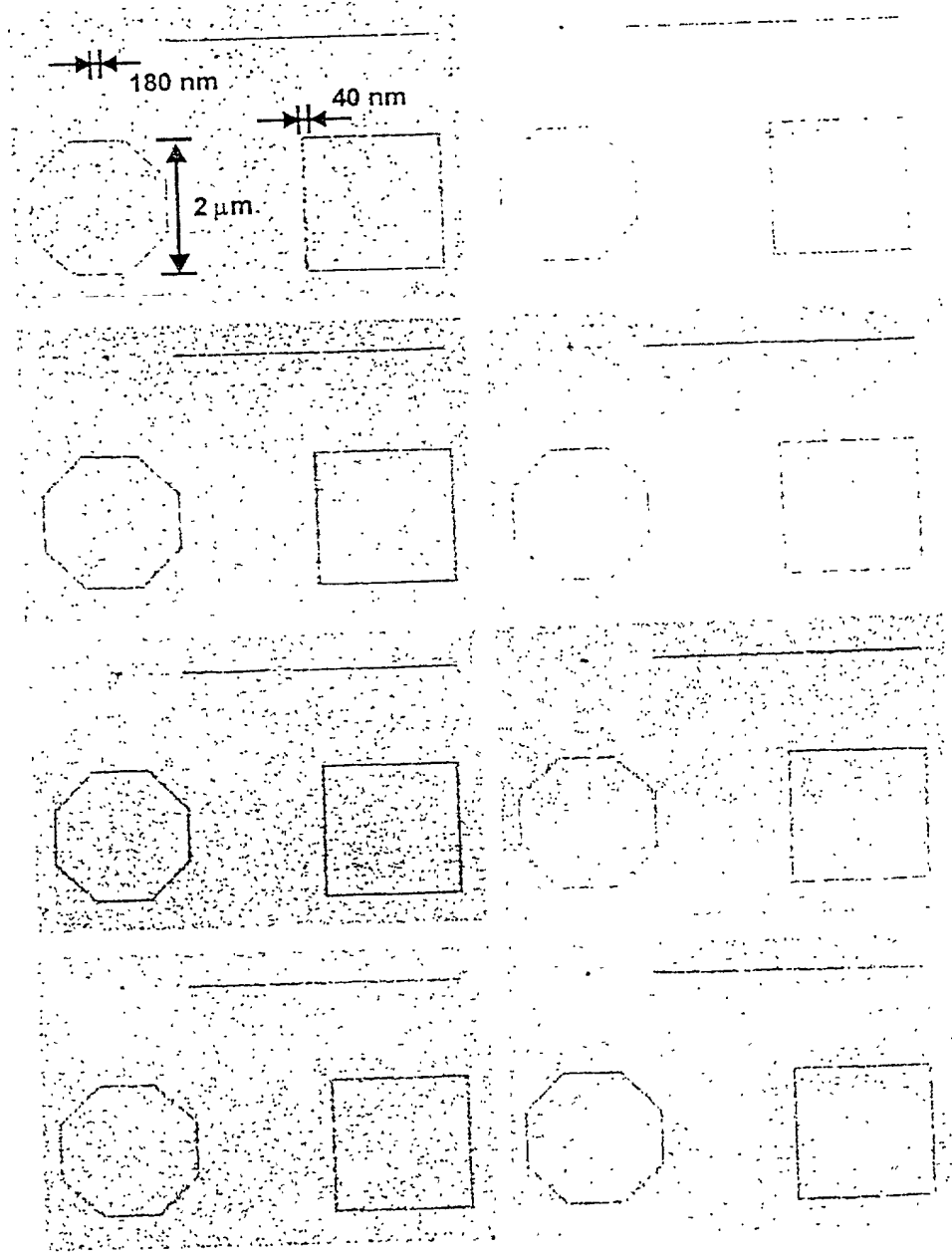


FIG. 22

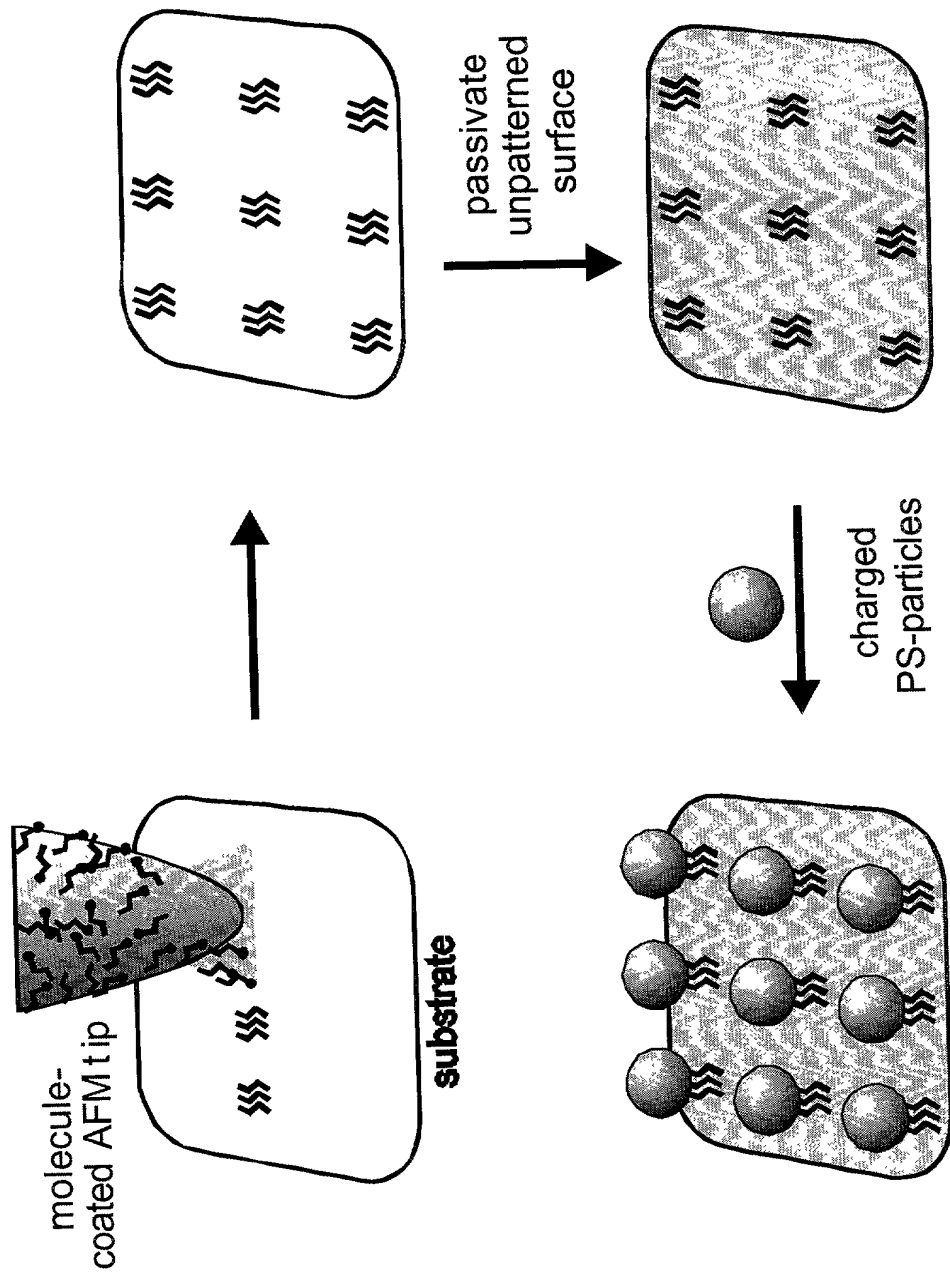


FIG. 23

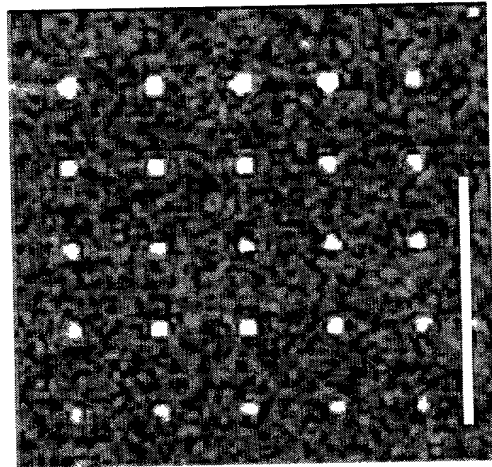


FIG. 24A

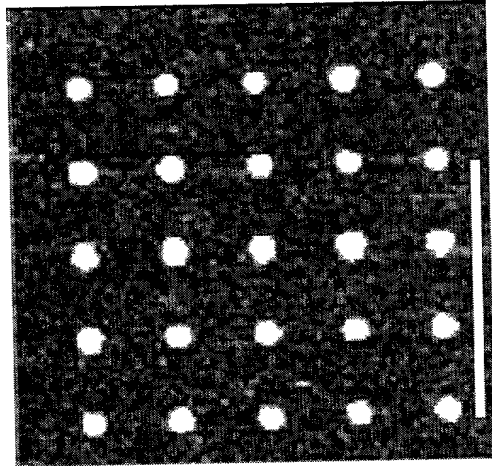


FIG. 24B

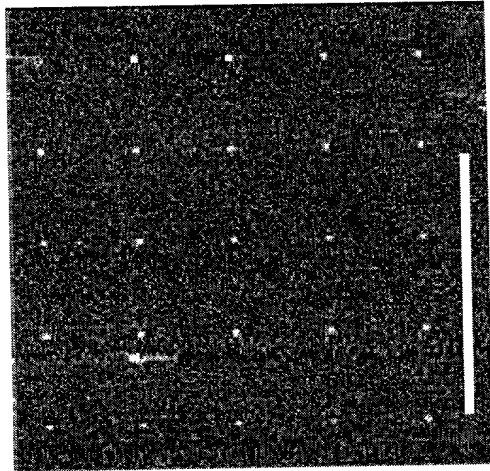


FIG. 24C

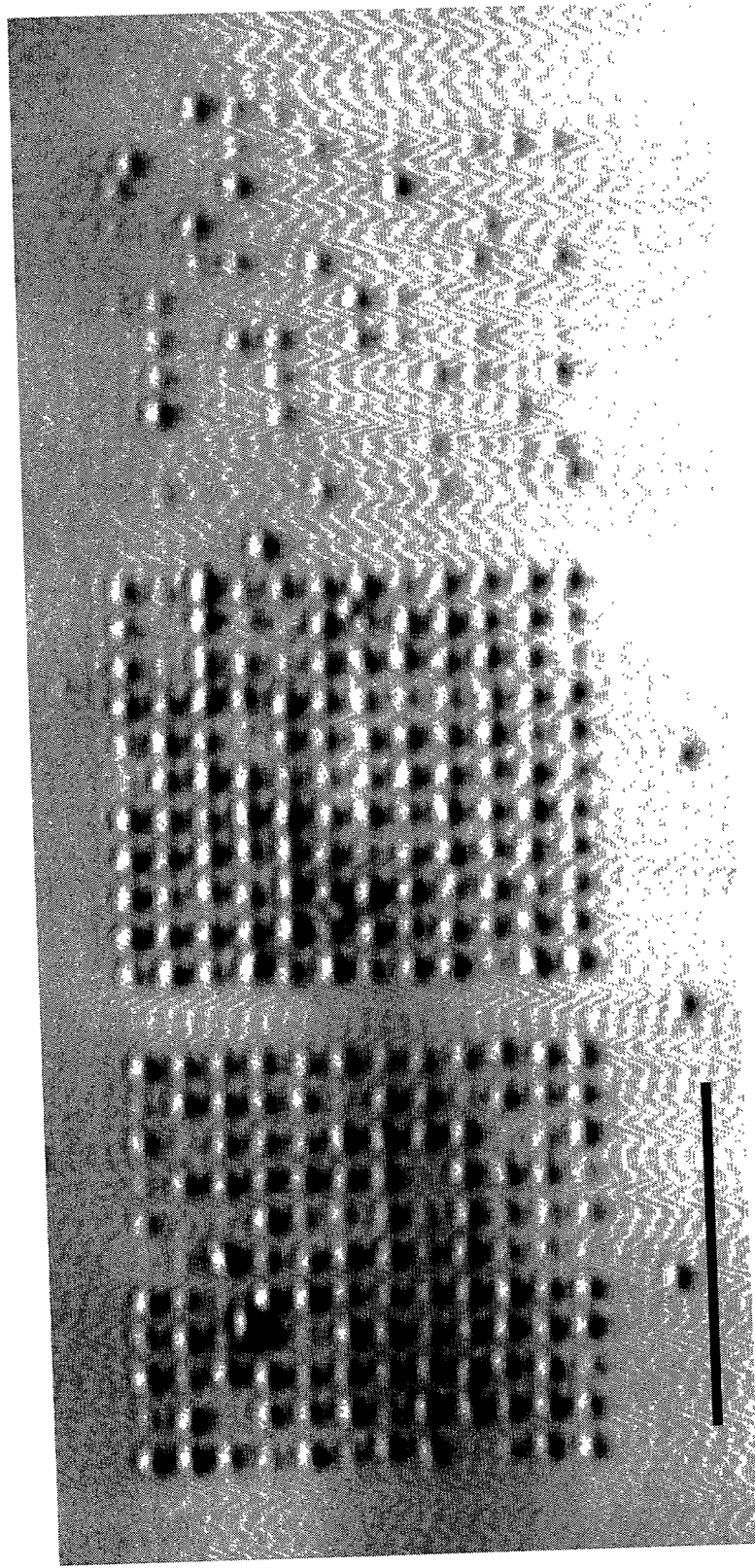
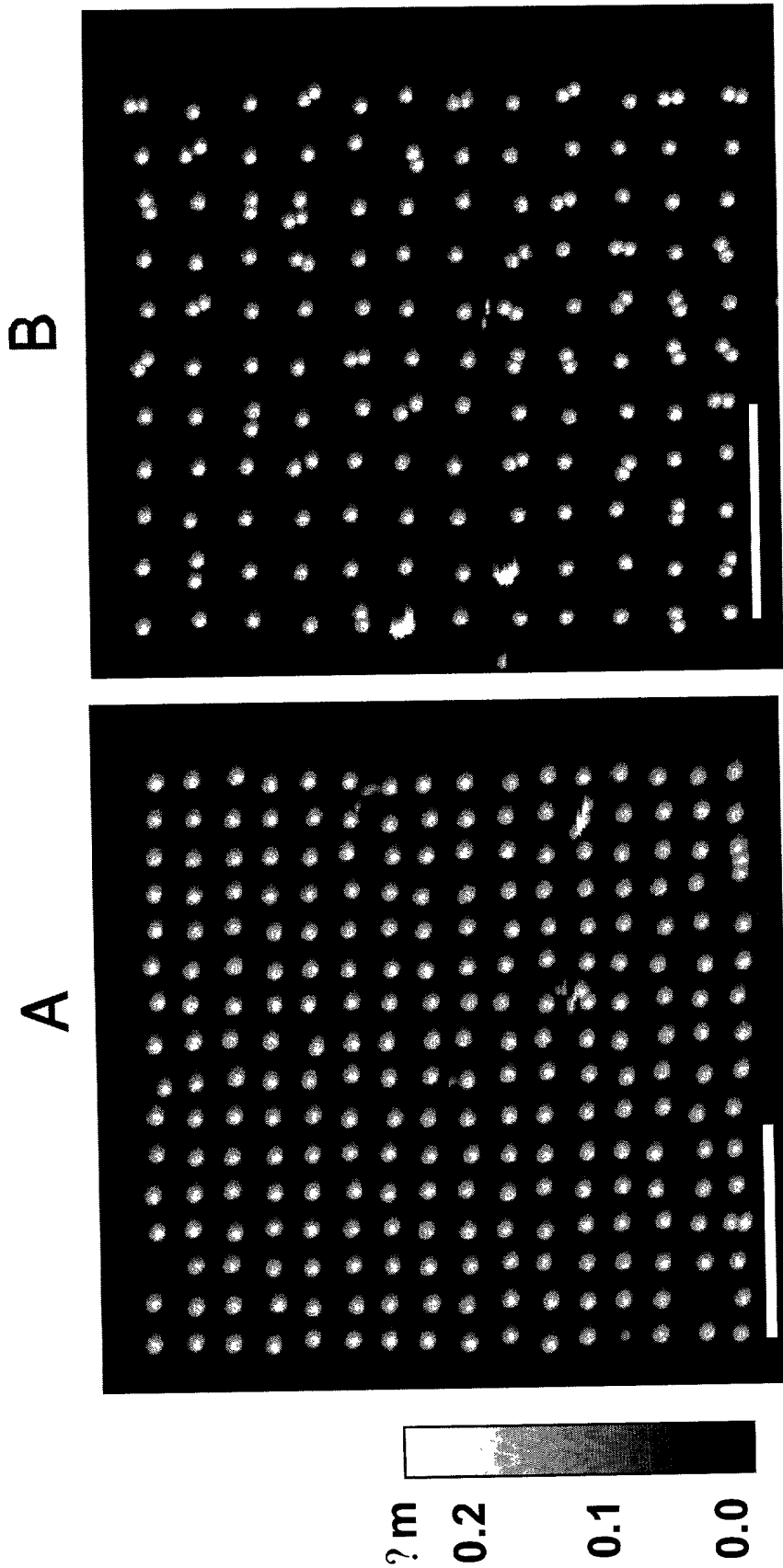


FIG. 25

FIG. 26



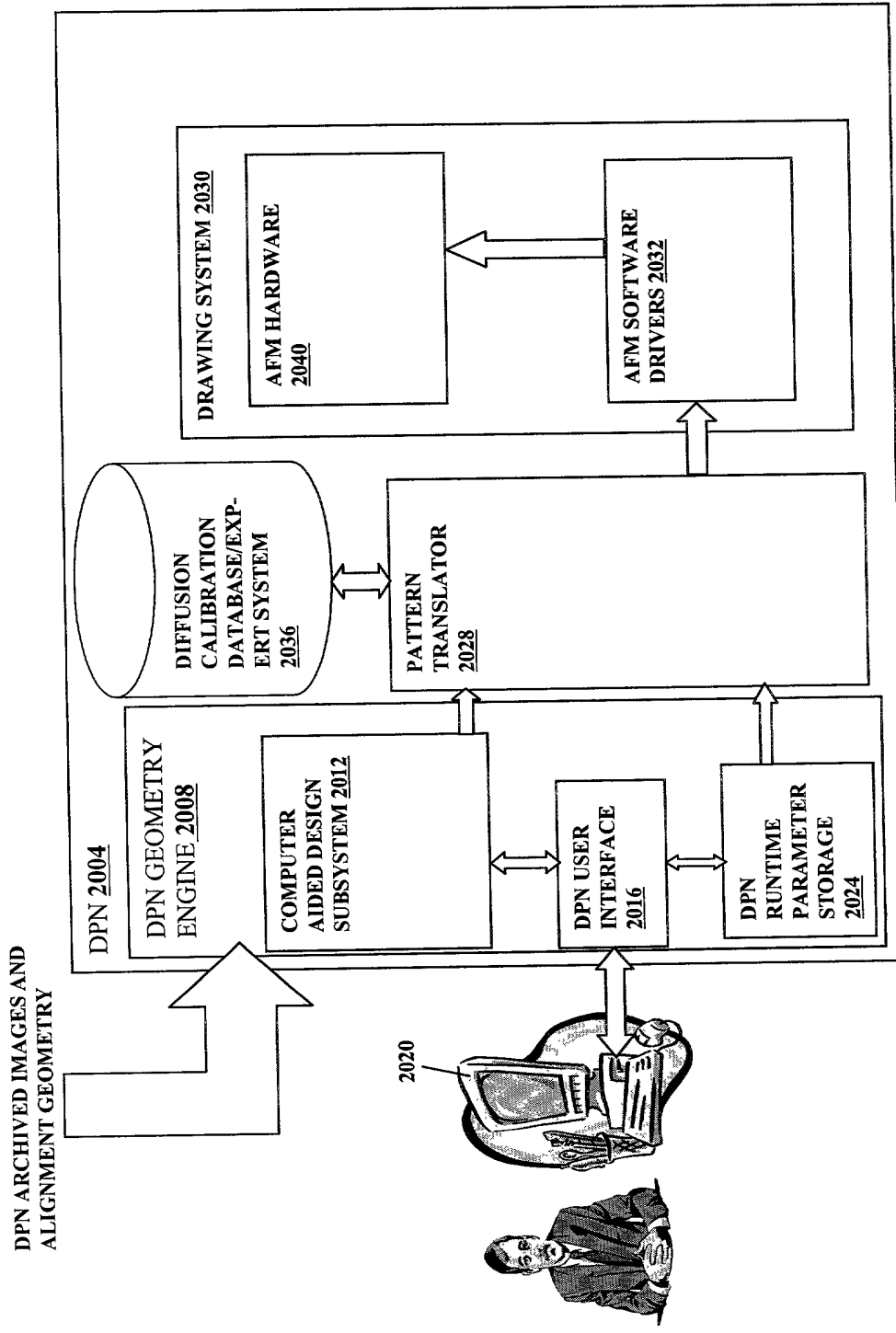


Fig. 28A

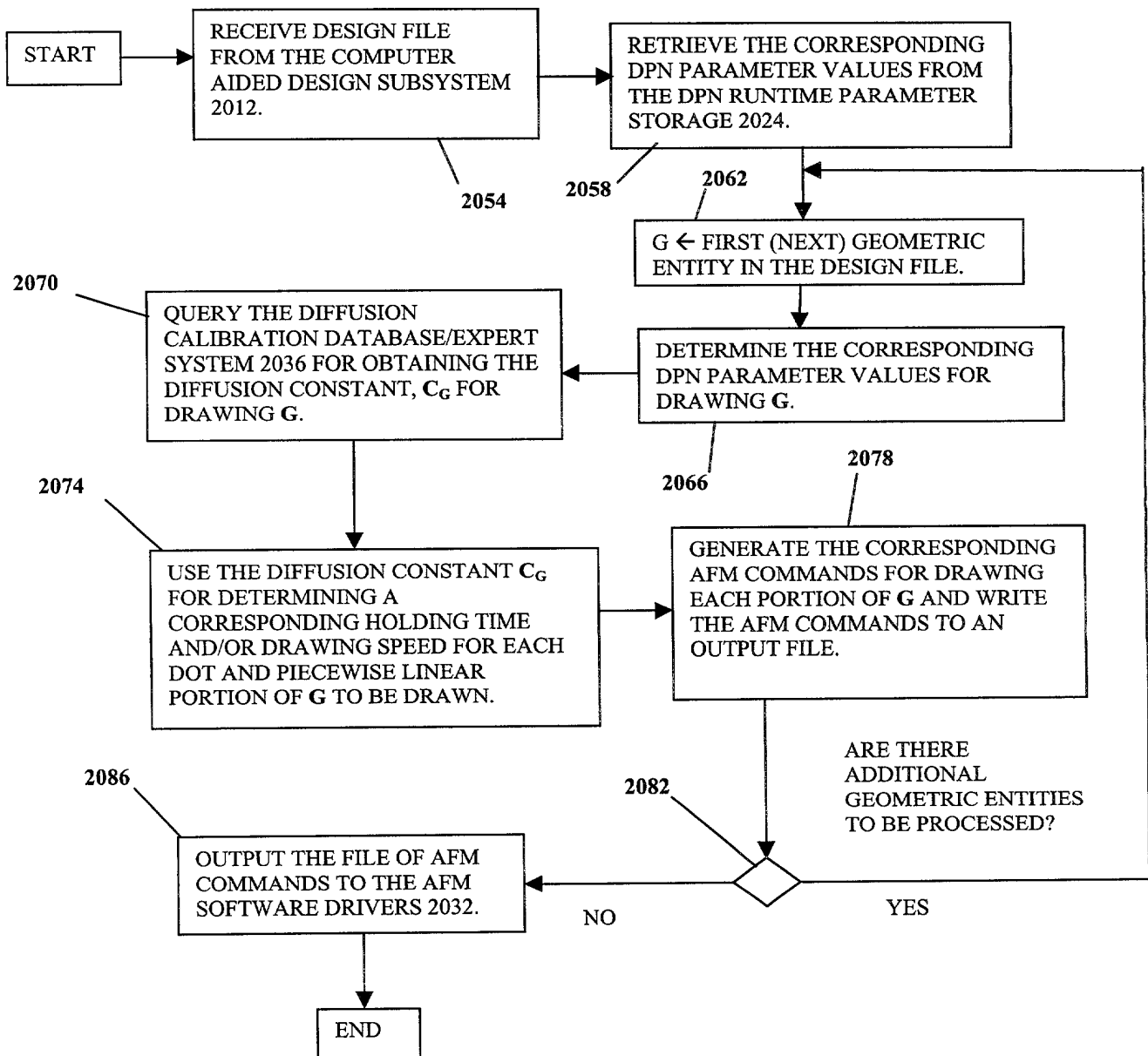


Fig. 28B